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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently Amended) A method of making a stratified paper comprising the steps of:
 - (a) introducing a pulp suspension into a headbox of a paper making machine, said which-headbox has comprising a single layer zone and having at least one ultrasonic means in proximity to said single layer zone;
 - (b) subjecting said pulp suspension inside the single layer zone of the headbox to acoustic radiation forces produced by said ultrasonic means;
 - (c) causing the pulp suspension in the single layer zone to separate into two or more fractions according to the relative sizes of the fibers;
 - (d) depositing said pulp suspension onto a wire; (e) draining said pulp suspension; and (f) drying said pulp suspension.
- 2. (Original) The method of claim 1 wherein said ultrasonic means is an ultrasonic transducer.
- 3. (Currently Amended) The method of claim 1 wherein said ultrasonic means is mounted on the top wall of the inside of the single layer zone of the headbox.
- 4. (Currently Amended) The method of claim 1 wherein said ultrasonic means is mounted on the bottom wall of the inside of the single layer zone of the headbox.
- 5. (Currently Amended) The method of claim 1 wherein said ultrasonic means is mounted on the top and the bottom wall of the inside of the single layer zone of the headbox.
- 6. (Currently Amended) The method of claim 1 wherein the wall of the single layer zone of said headbox is replaced with an ultrasound transducer.

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- 7. (Original) The method of claim 1 wherein the pulp suspension forms a pulp stream having one region rich in smaller fibers and another region rich in course fibers.
- 8. (Original) The method of claim 1 wherein the pulp suspension forms a pulp stream having one region rich in fine fibers and another rich in course fibers that is sandwiched inside the fine fibers.
- 9. (Original) The method of claim 1, further comprising a source of electrical power connected to and configured to energize said ultrasonic means.
- 10. (Original) The method of claim 1, further comprising at least one receiver.
- 11. (Original) The method of claim 1 wherein the acoustic radiation forces in the range of 0 W/cm2 to 150 W/cm2.
- 12. (Original) The method of claim 2 wherein the transducer has a frequency in the range of 20 kHz to 150 MHz.
- 13. (New) A method of making a stratified paper comprising the steps of:
 - (a) introducing a pulp suspension into a single layer headbox of a paper making machine, which headbox has at least one ultrasonic means;
 - (b) subjecting said pulp suspension inside the headbox to acoustic radiation forces produced by said ultrasonic means;
 - (c) causing the pulp suspension to separate into two or more fractions according to the relative sizes of the fibers;
 - (d) depositing said pulp suspension onto a wire;
 - (e) draining said pulp suspension; and
 - (f) drying said pulp suspension.
- 14. (New) The method of claim 13 wherein said ultrasonic means is an ultrasonic transducer.
- 15. (New) The method of claim 13 wherein said ultrasonic means is mounted on the top wall of the inside of the headbox.

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- 16. (New) The method of claim 13 wherein said ultrasonic means is mounted on the bottom wall of the inside of the headbox.
- 17. (New) The method of claim 13 wherein said ultrasonic means is mounted on the top and the bottom wall of the inside of the headbox.
- 18. (New) The method of claim 13 wherein the wall of said headbox is replaced with an ultrasound transducer.
- 19. (New) The method of claim 13 wherein the pulp suspension forms a pulp stream having one region rich in smaller fibers and another region rich in course fibers.
- 20. (New) The method of claim 13 wherein the pulp suspension forms a pulp stream having one region rich in fine fibers and another rich in course fibers that is sandwiched inside the fine fibers.
- 21. (New) The method of claim 13, further comprising a source of electrical power connected to and configured to energize said ultrasonic means.
- 22. (New) The method of claim 13, further comprising at least one receiver.
- 23. (New) The method of claim 13 wherein the acoustic radiation forces in the range of O W/cm² to 150 W/cm².
- 24. (New) The method of claim 14 wherein the transducer has a frequency in the range of 20 kHz to 150 MHz.